

SAF-RC-040
300 Area D&D Waste Characterization
Sampling - Other Solid
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Renee Nielson	L1-04	<u>NB 2/15/06</u> INITIAL/DATE
Amy Hood	L1-07	<u>NB 2/15/06</u> INITIAL/DATE
Jeanette Duncan	H9-02	<u>NB 2/15/06</u> INITIAL/DATE

COMMENTS:

SDG 20060100 SAF-RC-040

X Rad only Chem only Rad & Chem
X Complete Partial

Sample Location/Waste Site: 303 M Bag Filter

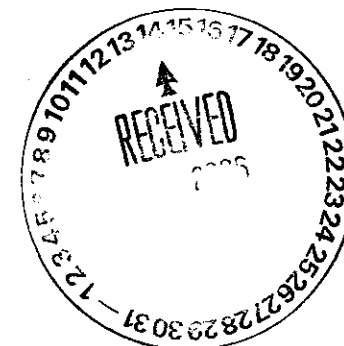
RECEIVED
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WSCF
ANALYTICAL RESULTS REPORT

for

MISC-NP
RICHLAND, WA 99354

Attention: JH KESSNER/RL WEISS



Analytical:

William J Baird WW Baird 2/14/2006

Client Services:

John Trechter (John Trechter)

All results are reported on an "as received" basis unless otherwise noted in the comment section.

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Report#: 20060100
Report Date: 14-feb-2006
Report W005/ver. 1.1
MISC-NP

RC-040

WSCF ANALYTICAL RESULTS REPORT

Attention: JH KESSNER/RL WEISS

Group #: 20060100

Sample #	Client ID		CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
Inorganic														
W060000214	J107X7-A	WEISS	13966-29-5	Uranium 234 by ICP-MS	WATER	LA-505-412		487	ug/L	2.00e+003	40	02/13/06	09/29/05	02/06/06
W060000214	J107X7-A	WEISS	15117-96-1	Uranium 235 by ICP-MS	WATER	LA-505-412		6.10e+04	ug/L	2.00e+003	40	02/13/06	09/29/05	02/06/06
W060000214	J107X7-A	WEISS	24678-82-8	Uranium 238 by ICP-MS	WATER	LA-505-412		5,140,000	ug/L	1.00e+004	2.0e+02	02/13/06	09/29/05	02/06/06

MDL=Minimum Detection Limit

RQ=Result Qualifier

DF=Dilution Factor

* - Indicates results that have NOT been validated: + - Indicates more than six qualifier symbols

Report W005/ver. 1.1

MISC-NP

WSCF

ANALYTICAL COMMENT REPORT

Attention: JH KESSNER/RL WEISS

Group #: 20060100

Sample # Client ID

Lab Area

Test

Comment

VALGROUP

ICP-MS: Uranium-234 and Uranium-235 calibrated against Uranium-238. To keep U-238 in the instrument detection range high dilutions were required, which kept the relative intensities of U-234 and U-235 low. High bias in the U-234 and U-235 values expected since the calibration standards contained very large concentrations of U-238 relative to the concentrations of U-234 and U-235 in the samples.

Lab Areas: VALGROUP - Group Validation
LOGSAMP - Login for Sample

VALTEST - Test Validation
LOGTEST - Login for Tests

TESTDATA - Test Data Entry

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WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

Attention:
Project Number

:

Group #: 20060100

Sample #	Client ID	Test Name	Peak Name	CAS#	RT	RQ	Result	Units
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RQ=Result Qualifier

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WSCF

METHOD REFERENCES REPORT

The results provided in this report were generated using the following WSCF Laboratory procedures. For your convenience, this table provides a listing of the regulatory or industry methods that are referenced by each of these WSCF procedures. Please note that the most recent version of the regulatory or industry method is listed here even though the WSCF procedure may reference an older version of the method. Also, a reference to a regulatory or industry method here does not necessarily indicate a verbatim implementation of that method.

LA-505-412	LA-505-412: DETERMINATION OF TRACE ELEMENTS IN WATERS AND WASTES BY INDUCTIVELY
EPA-600/R-94-111 200.8	DETERMINATION OF TRACE ELEMENTS IN WATERS AND WASTES BY INDUCTIVELY COUPLED PLAS

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at
\\ap006\aspdocs\WSCF\Sample Mgmt\ProcedureMethodCrossReference.pdf. This document includes on-line
links to full-text versions of the procedures and methods, where available.

Report Date: 14-feb-2006

Report #: 20060100

Report W 005M/1

wl3qlog v1 14-feb-2006 10:19:15

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
				SAMPLE	W060000214	Sample Screen - LAB USE ONLY
28074	1	28447		SAMPLE	W060000214	Uranium Isotopic by ICP-MS

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: 20060100

SAF Number:

Matrix:

Sample Date:

Test:

Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
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Lab ID:

BATCH QC ASSOCIATED WITH SAMPLE

Waste Sampling and Characterization Facility
P.O. BOX 1970 S3-30, Richland, WA 99352
PHONE: (509) 373-7004/FAX: (509) 373-7134

2/14/06

ACKNOWLEDGMENT OF SAMPLES RECEIVED

MISC-NP

RICHLAND, WA 99354
Attn: JH KESSNER/RL WEISS

Customer Code: MISC-NP
PO#: 122097
Group#: 20060100

FILE 



The following samples were received from you on 02/06/06. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Waste Sampling and Characterization Facility.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
W060000214	J107X7-A	WEISS @LABSCRN @UIISO-MS	Water	09/29/05

Test Acronym Description

Test Acronym	Description
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@LABSCRN	Sample Screen - LAB USE ONLY
@UIISO-MS	Uranium Isotopic by ICP-MS



Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-30		Page <u>1</u> of <u>1</u> <u>DAS 02/06/06</u>			
Collector A Hood		Company Contact Jason Adler		Telephone No. 372-9106		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround			
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 303 M Bag Filters		SAF No. RC-040		Air Quality <input type="checkbox"/>		7 Days			
Ice Chest No.		Field Logbook No. EL-1516-7		COA R303M02F10		Method of Shipment Hand Delivery					
Shipped To Waste Sampling & Characterization		Offsite Property No. N/A				Bill of Lading/Air Bill No. N/A					
POSSIBLE SAMPLE HAZARDS/REMARKS <i>Radioactive</i> <i>< DOT Limits</i> <i>Special Handling and/or Storage</i> <i>contains acid</i>			Preservation	pH<2							
			Type of Container	G/P							
			No. of Container(s)	1							
			Volume	100ml							
SAMPLE ANALYSIS <i>20000100</i>			See item (1) in Special Instructions.								
Sample No.	Matrix *	Sample Date	Sample Time								
J107X7-A	OTHER SOLID	9/29/05	0845	X							
<i>W000000214</i>											
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS				Matrix * S=Soil SE=Soil/rock SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other			
Relinquished By/Removed From		Date/Time	Received By/Stored In	Date/Time	Lab to perform ICP-MS analysis first or contact RL Weiss 372-9631 for any questions. (1) Gamma Spectroscopy (Uranium-235, Uranium-238); Trace Elements by ICP/MS - 200.8 (Uranium-234, Uranium-235, Uranium-238)						
<i>Kevin Singleton</i>		<i>1455</i>	<i>[Signature]</i>	<i>2-6-06</i>							
Relinquished By/Removed From		Date/Time	Received By/Stored In	Date/Time							
Relinquished By/Removed From		Date/Time	Received By/Stored In	Date/Time							
Relinquished By/Removed From		Date/Time	Received By/Stored In	Date/Time							
Relinquished By/Removed From		Date/Time	Received By/Stored In	Date/Time							
LABORATORY SECTION		Received By		Title				Date/Time			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By				Date/Time			

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-016		Page 1 of 2			
Collector MT Stankovich / <i>Hood</i>		Company Contact Jason Adler		Telephone No. 372-9106 7729		Project Coordinator KESSNER, JH		Price Code			
Project Designation 300 Area D&D Waste Characterization Sampling - Other Solid		Sampling Location 303 M Bag Filters		SDG# K0028		SAF No. RC-040		Data Turnaround 15 Days			
Ice Chest No. AFS-04-029		Field Logbook No. EL-1516-7		COA K003M02F10		Method of Shipment Fed Ex		Air Quality <input type="checkbox"/> <i>9/29/05</i> <i>7 days</i>			
Shipped To EBERLINE SERVICES / LIONVILLE		Offsite Property No. A060022		Bill of Lading/Air Bill No. SEE DSPC							
POSSIBLE SAMPLE HAZARDS/REMARKS <i>Be Radioactive - See Special Instructions</i> <i>Special Handling and/or Storage Limits</i> <i>None</i>				Preservation		None	None	None	None	#N03	
				Type of Container		G/P	G	G/P	G/P	P	
				No. of Container(s)		X0	X6	X3	X6	<i>Ad</i> 9/29/05	
				Volume		60g	15g	5g	5g	<i>Ad</i> 9/29/05	
SAMPLE ANALYSIS <i>metals</i> <i>digestate</i> SDG# K0028				See item (1) in Special Instructions.		See item (2) in Special Instructions.		See item (3) in Special Instructions.		Technetium-99	
										36 mls	
Sample No.	Matrix *	Sample Date	Sample Time								
J107X7	OTHER SOLID	9/29/05	09:15					X	metals digestate (total)		
J107X8	OTHER SOLID	<i>Ad</i> 9/29/05									
J107X9	OTHER SOLID	<i>Ad</i> 9/29/05									
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS			
Relinquished By/Removed From <i>Amy Howard</i>		Date/Time 9/29/05 10:00		Received By/Stored In 3728 1A		Date/Time 9/29/05 10:00		(1) ICP Metals - 6010 (Client List) (Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Lithium, Magnesium, Manganese, Molybdenum, Nickel, Phosphorus, Potassium, Selenium, Silicon, Silver, Sodium, Strontium, Thallium, Tin, Uranium, Vanadium, Zinc); ICP Metals - 6010A (Add-on) (Titanium, Zirconium); Mercury - 7471 (EW) - 9/2/05 (2) Metals by ICP (TCLP) - 1311/6010 (Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver); Metals by ICP (TCLP) Add-on - 1311/6010 (Antimony, Beryllium, Nickel, Thallium, Vanadium); Mercury (TCLP) - 1311/7470 (3) Isotopic Plutonium; Isotopic Uranium; Isotopic Thorium; Neptunium-237; Americium-241 NOTE: Inside of inner most bag and outside of sample container may exhibit smeearable Rad contamination			
Relinquished By/Removed From <i>3728 REF 1A</i>		Date/Time 10/4/05 1000		Received By/Stored In <i>BA3-024</i>		Date/Time 10/4/05 1000					
Relinquished By/Removed From <i>BA3-024</i>		Date/Time 10/4/05 1000		Received By/Stored In <i>RED EX</i>		Date/Time					
Relinquished By/Removed From <i>FED EX</i>		Date/Time 10/05/05		Received By/Stored In <i>AFU</i>		Date/Time 10/05/05 9:30					
Relinquished By/Removed From <i>AFU</i>		Date/Time 10/28/05 16:00		Received By/Stored In		Date/Time					
Relinquished By/Removed From <i>10-2605/0945</i>		Date/Time 10/26/05/0945		Received By/Stored In <i>102605/0945</i>		Date/Time					
LABORATORY SECTION		Received By		Title		Date/Time					
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time					

BHI-EE-011 (08/29/2005) Rel. by *J. Kervin* TO: *Red Ex* 2/1/06 @ 1030 (digestate only)

Rel By: *Fed Ex* 2/6/06 1415 TO: *Kevin Singlet* *2/6/06 1415*